

Please type a plus sign (+) inside the box → ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TL	1	O'SHEA, "Mating Season," Telephony, p. 10-11, (September 20, 1999).	
	2	LAKSHMI-RATAN, "The Lucent Technologies Softswitch-Realizing the Promise of Convergence," Bell Labs Technical Journal, p. 174-195, (April-June, 1999).	
	3	HAMDY ET AL., "Voice Service Interworking for PSTN and IP Networks," IEEE Communications Magazine, p. 104-111, (May, 1999).	
	4	TEKELEC, "Eagle (Registered) Feature Guide," PN/9110-1225-01, (January, 1998).	
	5	TEKELEC, "Eagle (Registered) STP Platform," 908-0134-01, (1997).	
	6	TEKELEC, "STP Lan Interface Feature," 908-0134-01, (1997).	
	7	TEKELEC, "STP Database Transport Access Feature," 908-0136-01, (1997).	
	8	TEKELEC, "STP X.25 to SS7-IS.41 Protocol Conversion Feature," 908-0135-01, (1997).	
	9	TEKELEC, "STP ANSI-ITU Gateway Feature," 908-0133-01, (1997).	
	10	TEKELEC, "SS7-Frame Relay Access Device SS7 Protocol Information Translator," 908-0167-01, (1997).	
TL	11	O'SHEA, "The Network That's Never Done," Telephony, p. 38-43, (September 15, 1997).	

Examiner
Signature

[Signature]

Date
Considered

10/20/99

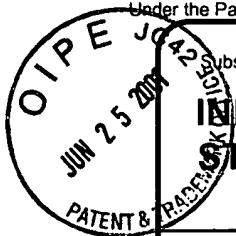
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside the box → ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/541,853
		Filing Date	04/03/2000
		First Named Inventor	Paul Andrew Miller
		Group Art Unit	2721
		Examiner Name	Not Assigned
Sheet 2	of 2	Attorney Docket Number	1322/9

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TL	12	SNYDER, "Rerouting Internet Traffic Jams," Telephony, p. 12, (November 11, 1996).	
	13	SNYDER, "Branded With Optics," Telephony, p. 49-50, (July 22, 1996).	
	14	ANONYMOUS, "Around the Loop," Telephony, p. 26, (July 22, 1996).	
	15	ZAHARYCHUK ET AL., "Gateway Signal Transfer Points: Design, Services and Benefits," IEEE, p. 223.2.1-223.2.8, (1990).	
	16	BOOTMAN ET AL., "Generic Building Blocks for the Telecommunications Management Network," IEEE, p. 6.1.1-6.1.5, (1988).	
	17	BOOTMAN, "Intelligent Network Services Using a Service Switching Node," IEEE, p. 40.7.1-40.2.4, (1988).	
TL	18	BUCKLES, "Very High Capacity Signaling Transfer Point For Intelligent Network Services," IEEE, p. 40.2.1-40.2.4, (1988).	

Examiner Signature		Date Considered	10/20/03
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 6**Complete if Known**

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TL	A	6,236,722		Gilbert et al.	05/22/2001	
	B	6,215,783		Neyman	04/10/2001	
	C	6,201,804		Kikinis	03/13/2001	
	D	6,195,425		Farris	02/27/2001	
	E	6,157,719		Figurski et al.	12/05/2000	
	F	6,154,467		Hager et al.	12/05/2000	
	G	6,151,390		Volftsun et al.	11/21/2000	
	H	6,144,670		Sponaugle et al.	11/07/2000	
	I	6,144,667		Doshi et al.	11/07/2000	
	J	6,137,874		Brown et al.	10/24/2000	
	K	6,137,869		Voit et al.	10/24/2000	
	L	6,134,246		Cai et al.	10/17/2000	
	M	6,134,235		Goldman et al.	10/17/2000	
	N	6,128,379		Smyk	10/03/2000	
	O	H1,896		Hoffpauir et al.	10/03/2000	
	P	H1,880		Vines et al.	10/03/2000	
	Q	6,125,177		Whittaker	09/26/2000	
	R	6,122,365		Yegoshin	09/19/2000	
TL	S	6,122,263		Dahlin et al.	09/19/2000	
	T	6,122,255		Bartholomew et al.	09/19/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
TL	A	WO	00/56032		Costa et al.	09/21/2000		X
	B	WO	00/33519		Simon	06/08/2000		X
	C	WO	00/31933		Elliott et al.	06/02/2000		X
	D	WO	00/30369		Graf et al.	05/25/2000		X
	E	WO	00/22840		Huopaniemi et al.	04/20/2000		X
TL	F	WO	97/11563		Christie et al.	03/27/1997		X

Examiner Signature

Date Considered

10/20/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sheet 2 of 6

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TL	U	6,119,160		Zhang et al.	09/12/2000	
	V	6,118,780		Dunn et al.	09/12/2000	
	W	6,115,383		Bell et al.	09/05/2000	
	X	6,112,090		Valentine	08/29/2000	
	Y	6,111,893		Volftsun et al.	08/29/2000	
	Z	6,111,870		Kurtz	08/29/2000	
	aa	6,097,805		Figurski et al.	08/01/2000	
	bb	6,097,719		Benash et al.	07/04/2000	
	cc	6,097,036		Teshima et al.	08/01/2000	
	dd	6,084,956		Turner et al.	07/04/2000	
	ee	6,084,892		Benash et al.	07/04/2000	
	ff	6,079,036		Moharram	06/20/2000	
	gg	6,078,582		Curry et al.	06/20/2000	
	hh	6,069,890		White et al.	05/30/2000	
	ii	6,067,546		Lund	05/23/2000	
	jj	6,064,653		Farris	05/16/2000	
	kk	6,055,202		Merritt	04/25/2000	
	ll	6,047,005		Sherman	04/04/2000	
	mm	6,026,091		Christie et al.	02/15/2000	
TL	nn	6,023,502		Bouanaka et al	02/08/2000	

[illegible]

[Signature]

10/20/65

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

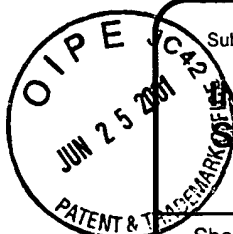
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **3** of **6**

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TL	oo	6,021,126		White et al.	01/11/2000	
	pp	6,018,515		Sorber	01/25/2000	
	qq	6,011,803		Bicknell et al.	01/04/2000	
	rr	6,011,794		Mordowitz et a.	01/04/2000	
	ss	6,011,780		Vaman et al.	01/04/2000	
	tt	6,006,098		Rathnasabapathy et al.	12/21/1999	
	uu	5,995,608		Detampel, Jr. et al.	11/30/1999	
	vv	5,991,301		Christie	11/23/1999	
	ww	5,974,052		Johnson et al.	10/26/1999	
	xx	5,971,900		Allison et al.	06/29/1999	
	yy	5,958,016		Chang et al.	09/28/1999	
	zz	5,949,871		Kabay et al.	09/07/1999	
	1	5,926,482		Christie et al.	07/20/1999	
	2	5,920,562		Christie, deceased, et al.	07/06/1999	
	3	5,912,887		Sehgal	06/15/1999	
	4	5,892,822		Gottlieb et al.	04/06/1999	
	5	5,889,954		Gessell et al.	03/30/1999	
	6	5,878,129		Figurski et al.	03/02/1999	
TL	7	5,872,782		Dendi	02/16/1999	
	8	5,870,565		Glitho	02/09/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature

Date


Considered

10/26/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**Complete if Known**

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

(use as many sheets as necessary)

Sheet 4 of 6

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TL	9	5,867,495		Elliott et al.	02/02/1999	
	10	5,852,660		Lindquist et al.	12/22/1998	
	11	5,838,782		Lindquist	11/17/1998	
	12	5,828,844		Civanlar et al.	10/27/1998	
	13	5,815,669		Lee et al.	09/29/1998	
	14	5,812,781		Fahlman et al.	09/22/1998	
	15	5,809,028		Nethercott et al.	09/15/1998	
	16	5,805,587		Norris et al.	09/08/1998	
	17	5,802,285		Hirviniemi	09/01/1998	
	18	5,793,771		Darland et al.	08/11/1998	
	19	5,787,255		Parlan et al.	07/28/1998	
	20	5,781,534		Perlman et al.	07/14/1998	
	21	5,774,695		Autrey et al.	06/30/1998	
	22	5,768,525		Kralowetz et al.	06/16/1998	
	23	5,768,361		Cowgill	06/16/1998	
	24	5,764,955		Doolan	06/09/1998	
	25	5,764,750		Chau et al.	06/09/1998	
	26	5,761,500		Gallant et al.	06/02/1998	
	27	5,761,281		Baum et al.	06/02/1998	
TL	28	5,740,374		Raffali-Schreinemachers	04/14/1998	

[illegible]

Lee

12/20/03

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 5 of 6**Complete if Known**

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TL	29	5,732,213		Gessel et al.	03/24/1998	
	30	5,712,903		Bartholomew et al.	01/27/1998	
	31	5,696,809		Reiman et al.	01/06/1998	
	32	5,680,552		Netravali et al.	10/21/1997	
	33	5,675,635		Vos et al.	10/07/1997	
	34	5,664,102		Faynberg	09/02/1997	
	35	5,657,452		Kralowetz et al.	08/12/1997	
	36	5,651,002		Van Seters et al.	07/22/1997	
	37	5,640,446		Everett et al.	06/17/1997	
	38	5,638,431		Everett et al.	06/10/1997	
	39	5,586,177		Farris et al.	12/17/1996	
	40	5,583,927		Fly et al.	12/10/1996	
	41	5,581,588		Horney, II, et al.	12/03/1996	
	42	5,568,487		Sitbon et al.	10/22/1996	
	43	5,509,010		LaPorta et al.	04/16/1996	
	44	5,430,727		Callon	07/04/1995	
	45	5,420,916		Sekiguchi	05/30/1995	
	46	5,384,840		Blatchford et al.	01/24/1995	
	47	5,315,641		Montgomery et al.	05/24/1994	
	48	5,239,542		Breidenstein et al.	08/24/1993	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner
Signature

Date

Considered

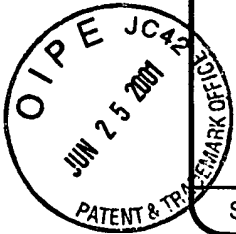
10/20/00

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 6 of 6

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date	Considered
11/1/2011	11/1/2011
11/2/2011	11/2/2011
11/3/2011	11/3/2011
11/4/2011	11/4/2011
11/5/2011	11/5/2011
11/6/2011	11/6/2011
11/7/2011	11/7/2011
11/8/2011	11/8/2011
11/9/2011	11/9/2011
11/10/2011	11/10/2011
11/11/2011	11/11/2011
11/12/2011	11/12/2011
11/13/2011	11/13/2011
11/14/2011	11/14/2011
11/15/2011	11/15/2011
11/16/2011	11/16/2011
11/17/2011	11/17/2011
11/18/2011	11/18/2011
11/19/2011	11/19/2011
11/20/2011	11/20/2011
11/21/2011	11/21/2011
11/22/2011	11/22/2011
11/23/2011	11/23/2011
11/24/2011	11/24/2011
11/25/2011	11/25/2011
11/26/2011	11/26/2011
11/27/2011	11/27/2011
11/28/2011	11/28/2011
11/29/2011	11/29/2011
11/30/2011	11/30/2011
12/1/2011	12/1/2011
12/2/2011	12/2/2011
12/3/2011	12/3/2011
12/4/2011	12/4/2011
12/5/2011	12/5/2011
12/6/2011	12/6/2011
12/7/2011	12/7/2011
12/8/2011	12/8/2011
12/9/2011	12/9/2011
12/10/2011	12/10/2011
12/11/2011	12/11/2011
12/12/2011	12/12/2011
12/13/2011	12/13/2011
12/14/2011	12/14/2011
12/15/2011	12/15/2011
12/16/2011	12/16/2011
12/17/2011	12/17/2011
12/18/2011	12/18/2011
12/19/2011	12/19/2011
12/20/2011	12/20/2011
12/21/2011	12/21/2011
12/22/2011	12/22/2011
12/23/2011	12/23/2011
12/24/2011	12/24/2011
12/25/2011	12/25/2011
12/26/2011	12/26/2011
12/27/2011	12/27/2011
12/28/2011	12/28/2011
12/29/2011	12/29/2011
12/30/2011	12/30/2011
12/31/2011	12/31/2011

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Art Unit	2721
Examiner Name	
Attorney Docket Number	1322/9

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
RL	A1	EP 0 853 411 A2	07/15/1998	Bicknell et al.		X

Examiner Signature		Date Considered	10/25/2011
--------------------	---	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

RECEIVED
MAY 28 2003
Technology Center 2600

Handwritten signature

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/541,853	RECEIVED
Filing Date	04/03/2000	
First Named Inventor	Miller et al.	
Group Art Unit	2721	JAN 22 2001
Examiner Name	Not Assigned	
Attorney Docket Number	1322/9	Group 2600

RECEIVED

~~JAN 22 2001~~

~~Group 2600~~

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Art Unit	2721
Examiner Name	
Attorney Docket Number	1322/9

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
-----------------------	---	--------------------	---

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

+

Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/541.853
				Filing Date	04/03/2000
				First Named Inventor	Paul Andrew Miller
				Art Unit	2721
				Examiner Name	
				Attorney Docket Number	1322/9
Sheet	1	of	1		

[illegible][illegible]

Examiner Signature		Date Considered	10/20/02
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Art Unit	2721
Examiner Name	
Attorney Docket Number	1322/9

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

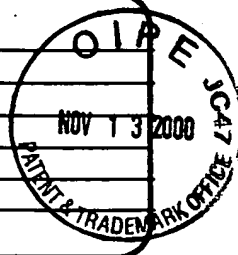
Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	
Attorney Docket Number	1322/9

(use as many sheets as necessary)

Sheet 1 of 1

Attorney Docket Number 1322/9



U.S. PATENT DOCUMENTS

[illegible]

RECEIVED

Pages, Columns, Lines, 5 2000
Where Relevant

Figures Appear

Technology Center	2600
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

10/20/52

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Paul Andrew Miller
Group Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

(use as many sheets as necessary)

Sheet 1 of 1

Attorney Docket Number 1322/9

RECEIVED
JUL 09 2001
Technology Center 25000

[illegible][illegible]

Examiner
Signature

19
in

Date
Considered

10/20/03

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

JUL 28 2003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	09/541,853
Filing Date	04/03/2000
First Named Inventor	Miller et al.
Art Unit	2721
Examiner Name	Not Assigned
Attorney Docket Number	1322/9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
Mc	A1	US-	6,584,190 B1	06/24/2003	Bressler	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				</

RECEIVED

JUL 29 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
Signature

Date
Considered

1/26/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.